

No active trail

DELPHION

Select CR

Stop Tracking

RESEARCH

PRODUCTS

INTEGRATED VIEW

Log Out

Work Files

Saved Searches

My Account

Search: Quick/Number Boolean Advanced Derwent

Help

The Delphion Integrated View

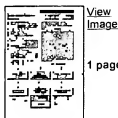
Buy Now: <input checked="" type="checkbox"/> PDF File History Other choices	Tools: Add to Work File Create new Work File	Add
View: INPADOC Jump to: Top	Go to: Derwent	Email this to a friend

Title: JP60096605A2: PRODUCTION OF HYDROPHILIC RESIN

Derwent Title: Prodn. of hydrophilic resin used as filler - comprises reacting crosslinked copolymer contg. glycidyl gp. with polyethylene glycol or glycerine [\[Derwent Record\]](#)

Country: JP Japan

Kind: A (See also: JP05018843B4)

Inventor: ITAGAKI KOJI;
OUCHI EIRYO;
SHIMURA AKIHIRO;Assignee: MITSUBISHI CHEM IND LTD
[News, Profiles, Stocks and More about this company](#)

Published / Filed: 1985-05-30 / 1983-10-31

Application Number: JP1983000203968

IPC Code: Advanced: B01D 15/08; B01J 20/285; C08F 8/00; C08F 120/00; C08F 120/32; C08G 59/14; G01N 30/88;
Core: B01J 20/281; C08G 59/00; G01N 30/00; more...
IPC-7: C08F 8/00;

Priority Number: 1983-10-31 JP1983000203968

Abstract: PURPOSE: To produce a hydrophilic resin suitable as a packing of gel permeation chromatography, by subjecting a glycidyl group-containing crosslinked copolymer to a ring opening reaction in a solvent which can swell the above copolymer.

CONSTITUTION: As a solvent for a ring opening reaction, acetone, 1,4-dioxane, dichloromethane, toluene or the like is used. Namely, (A) a glycidyl group-containing crosslinked copolymer (a copolymer of a glycidyl ester of an unsaturated carboxylic acid with a polyvinyl compound) is added to (B) about 5W20ml, per g of component A, of the above solvent and swollen, and after adding (C) polyethylene glycol (MW:about 200) or glycerin and (D) about 5W50mg, per g of component A, of a catalyst (e.g., sulfuric acid), the resulting mixture is reacted by ring opening at about 50W100°C for about 3W10hr to render the crosslinked polymer hydrophilic.

COPYRIGHT: (C)1985,JPO&Japio

INPADOC Legal Status: None Buy Now: [Family Legal Status Report](#)

Family:

Buy PDF	Publication	Pub. Date	Filed	Title
<input checked="" type="checkbox"/>	JP60096605A2	1985-05-30	1983-10-31	PRODUCTION OF HYDROPHILIC RESIN
<input checked="" type="checkbox"/>	JP05018843B4	1993-03-15	1983-10-31	TEIBUNSHIRYONOSUIYOSEIBUTSUSHITSUNOBUNRIHOHO
2 family members shown above				

Forward References: Go to Result Set: [Forward references \(2\)](#)

Buy PDF	Patent	Pub.Date	Inventor	Assignee	Title
<input checked="" type="checkbox"/>	US7098272	2006-08-29	Inaba; Yoshihiro	Fuji Xerox Co., Ltd.	Method for producing hydroxyl group-containing polymer particles
<input checked="" type="checkbox"/>	US5200464	1993-04-06	Furuno; Akihisa	Nitto Chemical Industry Co. Ltd.	Water-soluble radical-curing polyvinyl alcohol derivative